

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

List of Claims:

1-19. (Canceled)

20. (Previously Presented) A method for responding to an inquiry, comprising the following operations:

identifying a Disk Array System as a class of device to be managed;

identifying subcomponents of the Disk Array System;

receiving the inquiry from a CIM Client Application, wherein the inquiry is a single inquiry from the CIM Client Application;

receiving a unique ID for the Disk Array System;

obtaining requested information from a CIMOM;

wherein obtaining information from the CIMOM includes, given the unique ID for the Disk Array System, obtaining, responsive to receiving the single inquiry from the CIM Client Application: information regarding all component Storage Pools of the Disk Array System and information regarding all component Volumes of the Disk Array System, wherein the Disk Array System has properties spanning a plurality of separate CIM Objects in the CIMOM;

creating a plurality of Storage Objects, wherein creating the plurality of Storage Object includes identifying entities attached to the Disk Array System, and identifying parent-child relationships between the entities;

populating the plurality of Storage Objects with information received from the CIMOM; wherein the at least one Storage Object includes a Storage Object corresponding with the Disk Array System; and

sending the at least one Storage Object to the CIM Client Application; and

wherein properties of each Storage Object map directly to properties of at least one CIM Class used to represent a corresponding storage entity; and

wherein the obtaining operation comprises using a CIM Client API to obtain the requested information from the CIMOM.

21. (New) The method of claim 20, wherein the obtaining operation comprises using a CIM Client API to obtain requested information from the CIMOM.

22. (New) The method of claim 20, wherein the operation of creating at least one Storage Object comprises creating a set of Storage Objects.

23. (New) The method of claim 210, wherein each Storage Object is created by using a Java package comprising classes that define a plurality of storage entity objects.

24. (New) The method of claim 23, wherein the plurality of storage entity objects include Disk Array System, Storage Pool, Volume, Host System, FCPort, and Disk, objects.

25. (New) The method of claim 24, wherein the Disk Array System object is a top level object, and wherein each object other than the Disk Array System object is associated as a component of the Disk Array System object.

26. (New) The method of claim 24, wherein the Disk Array System object is a top level object, and wherein at least one object other than the Disk Array System object is a subcomponent of an object other than the Disk Array System object.

27. (New) The method of claim 20, wherein the creating operation comprises creating a plurality of Storage Objects, and wherein the Storage Objects have associations to each other that are consistent with corresponding storage entities' relationships modeled in a SMI/Blufin profile.

28. (New) The method of claim 20, wherein the creating operation comprises creating a plurality of Storage Objects, and wherein properties of each Storage Object map directly to properties of at least one CIM Class used to represent a corresponding storage entity.

29. (New) The method of claim 20, wherein the inquiry is received from a SRM CIM Client Application.

30. (New) The method of claim 20, wherein the inquiry is received from a CIM Discover Tool.

31. (New) The method of claim 20,
wherein receiving the inquiry includes receiving a unique ID for a Storage Pool;
and the operations further comprise obtaining a Storage Object corresponding with the Storage Pool, given the unique ID for the Storage Pool.

32. (New) The method of claim 20, wherein the inquiry includes the unique ID of a designated storage entity, and is a request for all storage entities of a specified type associated with the designated storage entity.

33. (New) The method of claim 20, wherein the inquiry includes information identifying a top level storage entity type and information identifying a specific CIMOM, and is a request for information about all entities of the identified top level storage entity type that are managed by the identified CIMOM.

34. (New) The method of claim 20, wherein the inquiry includes the unique ID of an identified top level storage entity, and wherein the receiving, obtaining, creating, populating, and sending operations are repeated to obtain information concerning the identified top level storage entity and all of the components of the identified top level storage entity.

35. (New) The method of claim 20, wherein the inquiry includes the unique ID of a component storage entity, and wherein the receiving, obtaining, creating, populating, and sending operations are repeated to obtain information concerning the component storage entity and subcomponents of the component storage entity.

36. (New) The method of claim 20, wherein the inquiry includes the unique ID of a component storage entity, and wherein the receiving, obtaining, creating, populating, and sending operations are repeated to obtain information concerning the component storage entity and the component storage entity's relationships to other components.